

Appl. No. 10/611,997
Amendment dated: May 24, 2005
Reply to OA of: February 24, 2005

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1(currently amended). A device for anchoring a tissue to a bone, said device comprising:

an implant made of a flexible wall and provided with a holding portion and an injection port in communication with said holding portion, with said holding portion being enclosed by said flexible wall which is provided with a plurality of pores, each having a diameter smaller than 0.1 mm whereby said implant is contractible and is contracted prior to being inserted into the bone;

one or more sutures fastened with said implant; and

a pasty medicine capable of solidification injected into said holding portion via said injection port of said implant in the wake of insertion of said implant into the bone, thereby resulting in expansion of said implant so as to enable said implant to be securely lodged in the bone upon completion of the solidification of said pasty medicine, wherein said implant is inserted into the bone; and said sutures are fastened at one end with said implant and at the other end with the tissue after the insertion of said implant into the bone.

2(original). The device as defined in claim 1, wherein said flexible wall of said implant is of a one-layered construction.

3(original). The device as defined in claim 1, wherein said flexible wall of said implant is of a laminated multi-layered construction.

Claim 4(canceled).

Appl. No. 10/611,997
Amendment dated: May 24, 2005
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5(original). The device as defined in claim 1, wherein said injection port of said implant is provided with a suture hole for holding said sutures.

6(original). The device as defined in claim 1, wherein said implant is integrally made of said flexible wall such that said implant takes the form of sac, bag, or ball.

7(original). The device as defined in claim 1, wherein said pasty medicine is a mixture of a liquid and a bone cement.

8(original). The device as defined in claim 7, wherein said bone cement is selected from the group consisting of gypsum, calcium sulfate, calcium phosphate, poly(methylmethacrylate) and hydroxy apatite.

9(original). The device as defined in claim 1, wherein said implant is provided with an imaging body of a metal conductor or graphite.

10(original). The device as defined in claim 1 further comprising an injection tool fastened detachably with said filling member, so that said pasty medicine is injected into said holding portion via said injection tool.

11(original). The device as defined in claim 10, wherein said injection tool comprises a connection tube and a syringe formed of a barrel and a plunger, said connection tube being fastened detachably at one end with said injection port of said filling member, said connection tube further being fastened at other end with said barrel of said syringe; wherein said pasty medicine is injected into said holding portion of said filling member from said barrel by said plunger via said connection tube.

Appl. No. 10/611,997
Amendment dated: May 24, 2005
Reply to OA of: February 24, 2005

12(original). The device as defined in claim 11 further comprising a sleeve receiving said connection tube and said implant prior to insertion of said implant into the bone, wherein said sutures protrude from said sleeve.

13(currently amended). The device as defined in claim ~~[[17]]~~ 12, wherein said sleeve is made of a material having an elasticity and has a longitudinal slit, so that said sleeve can be removed from said connection tube by expanding said longitudinal slit.

14(new). The device as defined in claim 3, wherein said flexible wall of said implant is of a laminated multi-layered construction and each layer of said material contains said pores.

15(new). The device as defined in claim 14, wherein said pores in each layer are offset from the pores in the adjacent layer.